

CLAIMS

1. A wiper blade partial pressure setting method for a wiper blade that included a backing, which is received in a blade rubber that wipes a wiping surface, wherein the backing spreads an urging force applied from a wiper arm toward the wiping surface in a longitudinal direction of the blade rubber to unify contact pressures of the blade rubber against the wiping surface, the wiper blade partial pressure setting method being characterized by:

virtually dividing the backing into a plurality of regions in a longitudinal direction of the backing;

discretizing a wiping area of the wiper blade in the wiping surface in a wiping direction of the wiper blade and in a longitudinal direction of the wiper blade; and

setting at least one of a curvature and a rigidity of each of the plurality of virtually divided regions of the backing in such a manner that a sum of variation differences of the contact pressures at respective discretized points is minimized.

2. The wiper blade partial pressure setting method according to claim 1, characterized in that the sum of the variation differences of the contact pressures is:

a sum of absolute values of differences, each of which is between the contact pressure at a corresponding one of the discretized points and a reference value; or

a sum of squares of the differences, each of which is between the

contact pressure at the corresponding one of the discretized points and the reference value.

3. The wiper blade partial pressure setting method according to claim 1 or 2, characterized by weighting according to the variation differences of the contact pressures.

4. The wiper blade partial pressure setting method according to any one of claims 1 to 3, characterized in that the sum of the variation differences of the contact pressures is a sum of the variation differences of the contact pressures computed for a round-trip of the wiper blade in the wiping direction.

5. The wiper blade partial pressure setting method according to any one of claims 1 to 4, characterized in that the discretizing of the wiping area of the wiper blade includes:

dividing the wiping area into equal intervals in the wiping direction of the wiper blade; and

dividing the wiping area into equal intervals in the longitudinal direction of the wiper blade.

6. The wiper blade partial pressure setting method according to any one of claims 1 to 5, characterized in that the virtually dividing of the backing includes dividing the backing into equal intervals in the longitudinal direction of the backing.

7. A wiper blade being characterized by:
 - a backing that is produced based on the wiper blade partial pressure setting method recited in any one of claims 1 to 6; and
 - a blade rubber that receives the backing and wipes a wiping surface, wherein the backing spreads an urging force applied from a wiper arm toward the wiping surface in a longitudinal direction of the blade rubber to unify contact pressures of the blade rubber against the wiping surface.
8. The wiper blade according to claim 7, characterized in that the blade rubber, which receives the backing, is held by a lever assembly connected to the wiper arm, wherein the lever assembly includes a plurality of levers, which are rotatable and constructed into a tournament style.
9. The wiper blade according to claim 7, characterized in that the backing, which is received in the blade rubber, is constructed to be directly connected to the wiper arm.